

FIGURE 1

09003047-010598

FIGURE 2 (Sheet 1 of 2)

Hqa I

TCTAGAGTC ATGAAACAAC AAAAACGGCT TTACGCCCGA TTGCTGACGC TGTTATTTGC
PstI HgaI

GCTCATCTTC TTGCTGCCTC ATTCTGCAGC AGCGGCGGCA AATCTTAATG GGACGCTGAT
GCAGTATTTT CAATGGTACA TGCCCAATGA CGGCCAACAT TGGAAAGCGTT TGCAAAACGA
CTCGGCATAT TTGGCTGAAC ACGGTATTAC TGCCGTCTGG ATTCCCCCGG CATATAAGGG
AACGAGCCAA GCGGATGTGG GCTACGGTGC TTACGACCTT TATGATTTAG GGGAGTTTCA
TCAAAAAGGG ACGGTTCGGA CAAAGTACGG CACAAAAGGA GAGCTGCAAT CTGCGATCAA
AAGTCTTCAT TCCCGCGACA TTAAAGTTTA CGGGGATGTG GTCATCAACC ACAAAGGCGG
CGCTGATGCG ACCGAAGATG TAAACGCGGT TGAAGTCGAT CCCGCTGACC GCAACCGCGT
AATTTCAGGA GAACACCTAA TTAAAGCCTG GACACATTTT CATTTTCCGG GCGCGGCAG
CACATACAGC GATTTTAAAT GGCAATTGGTA CCATTTTGAC GGAAACCGATT GGGACGAGTC
CCGAAAGCTG AACCGCATCT ATAAGTTTCA AGGAAAGGCT TGGGATTGGG AAGTTTCCAA
TGAAAACGGC AACTATGATT ATTTGATGTA TGCCGACATC GATTATGACC ATCCTGATGT
CGCAGCAGAA ATTAAGAGAT GGGGCACCTG GTATGCCAAT GAACTGCAAT TGGACGGTTT
CCGTCTTGAT GCTGTCAAAC ACATTAAATT TTCTTTTITG CGGGATTGGG TTAATCATGT
CAGGGAAAAA ACGGGGAAGG AAATGTTTAC GGTAGCTGAA TATTGGCAGA ATGACTTGGG

SEQUENCE 2 (Sh et 2 of 2)

CGCGCTGGAA AACTATTGA ACAAACAAA TTTTAATCAT TCAGTGTTG ACGTGCCGCT
TCATTATCAG TTCCATGCTG CATCGACACA GGGAGGGGGC TATGATATGA GGAATTGCT
GAACGGTACG GTCGTTTCCA AGCATCCGTT GAAATCGGTT ACATTGTGCG ATAACCATGA
TACACAGCCG GGGCAATCGC TTGAGTCGAC TGTCCAACA TGGTTAAGC CGCTTGCTTA
CGCTTTTATT CTCACAAGG AATCTGGATA CCCTCAGGTT TTCTACGGG ATATGTACGG
GACGAAAGGA GACTCCAGC GCGAAATCC TGCCTTGAAA CACAAAATG AACCGATCTT
AAAAGCGAGA AACAGTATG CGTACGGAGC ACAGCATGAT TATTCGACC ACCATGACAT
TGTCGGCTGG ACAAGGGAAG GCGACAGCTC GGTGCAAAT TCAGGTTGG CGGCATTAAT
AACAGACGGA CCCGGTGGG CAAAGCGAAT GTATGTCGC CCGCAAAACG CCGGTGAGAC
ATGGCATGAC ATTACCGGA ACCGTTCGA GCCGGTTGTC ATCAATTCG AAGGTGGGG
AGAGTTTCAC GTAAACGGCG GTCGGTTTC AATTATGTT CAAAGATAGA AGAGCAGAGA
BamHI
GGACGGATTT CCTGAAGGA ATCCGTTTTT TTATTTGCC CGTCTTATAA ATTTCTTTGA
TTACATTTTA TAATTAATTT TAACAAAGTG TCATCAGCCC TCAGGAAGGA CTTGCTGACA
GTTTGAATCG CATAGGTAAG GCGGGGATGA AATGGCAACG TTATCTGATG TAGCAAAGAA
AGCAAATGTG TCGAAAATGA CGGTATCGCG GGTGATCA
BclI

FIGURE 3

Oligonucleotide duplex A

	<u>NcoI</u>	<u>BamHI</u>	<u>HindIII</u>	
	[]	[]	[]	
5'	GGGTTT	TATTTT	TAATTT	TCTTCA
3'	CCCAAA	ATAAAA	ATTAAAG	TTATGA
				AGGTGGTACCCATTGCC
				TTAGGTTCCA
				3' 5'

Oligonucleotide duplex B

	<u>NcoI</u>	<u>HgaI</u>	SITE	
	[]	α -	AMYLA	SE
	[]			
5'	CATG	GCAA	TCTTA	TGGACGCTGATG
3'		CGTT	TAGAAT	TACCTGCGACTACGTCAT
				3' 5'
				Met' mature α -Amylase

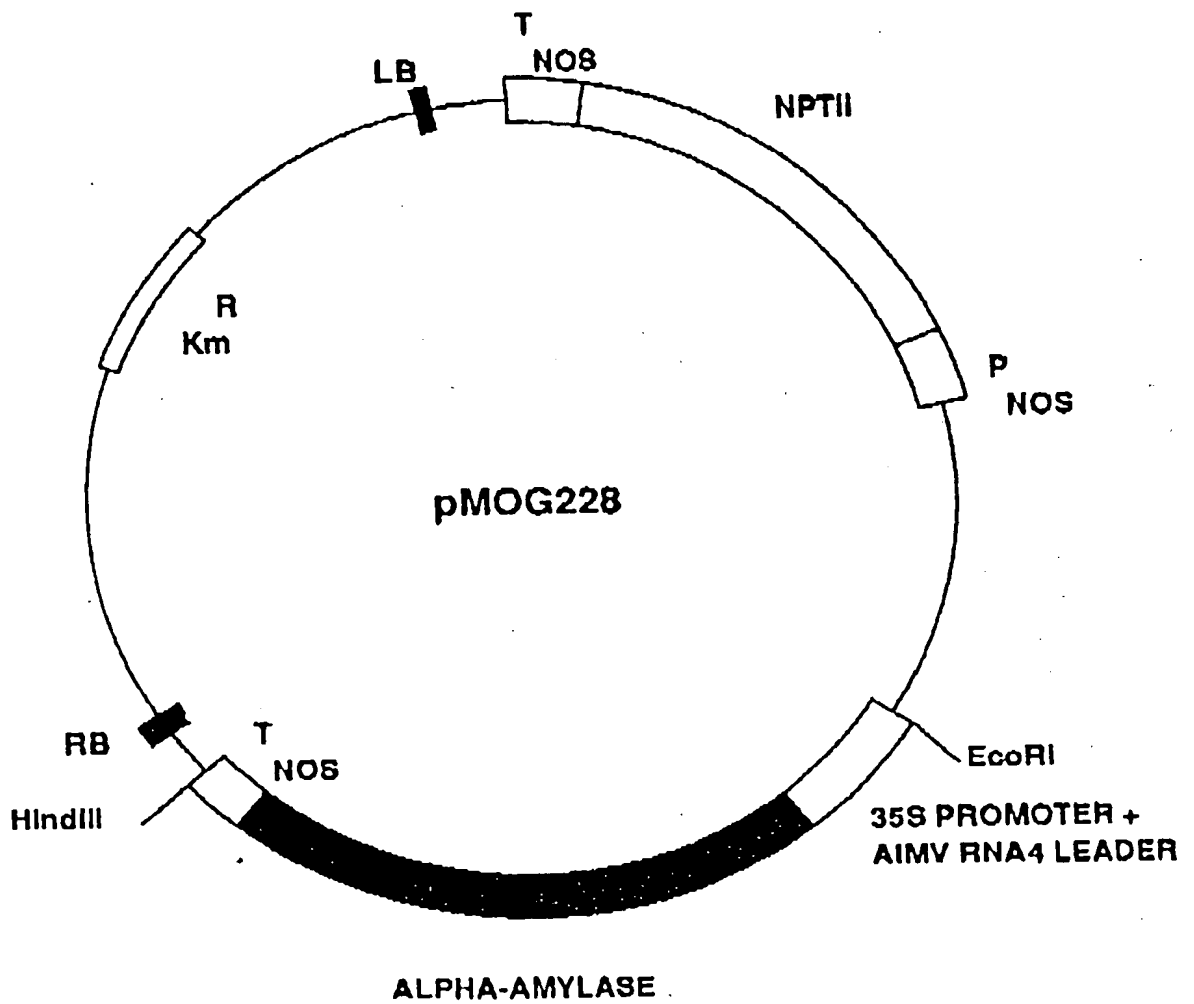


FIGURE 4

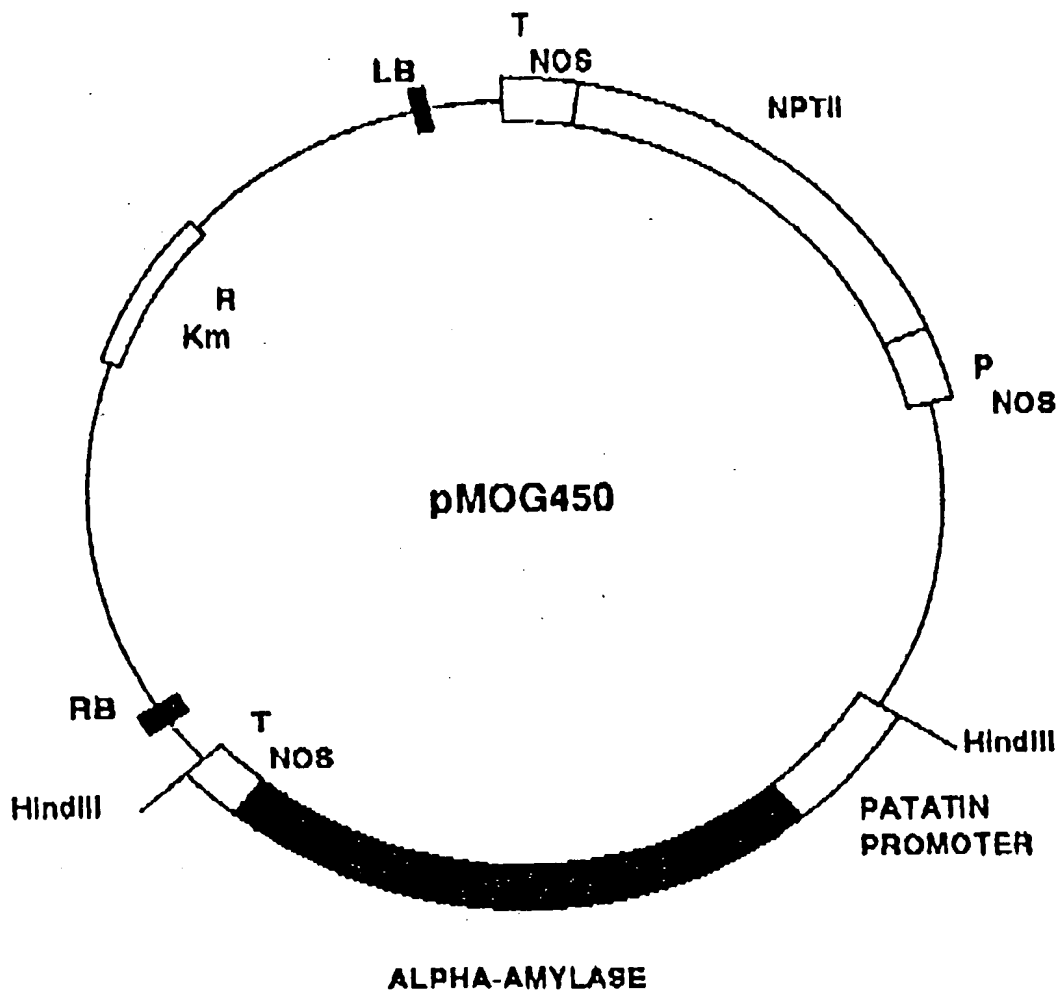


FIGURE 5

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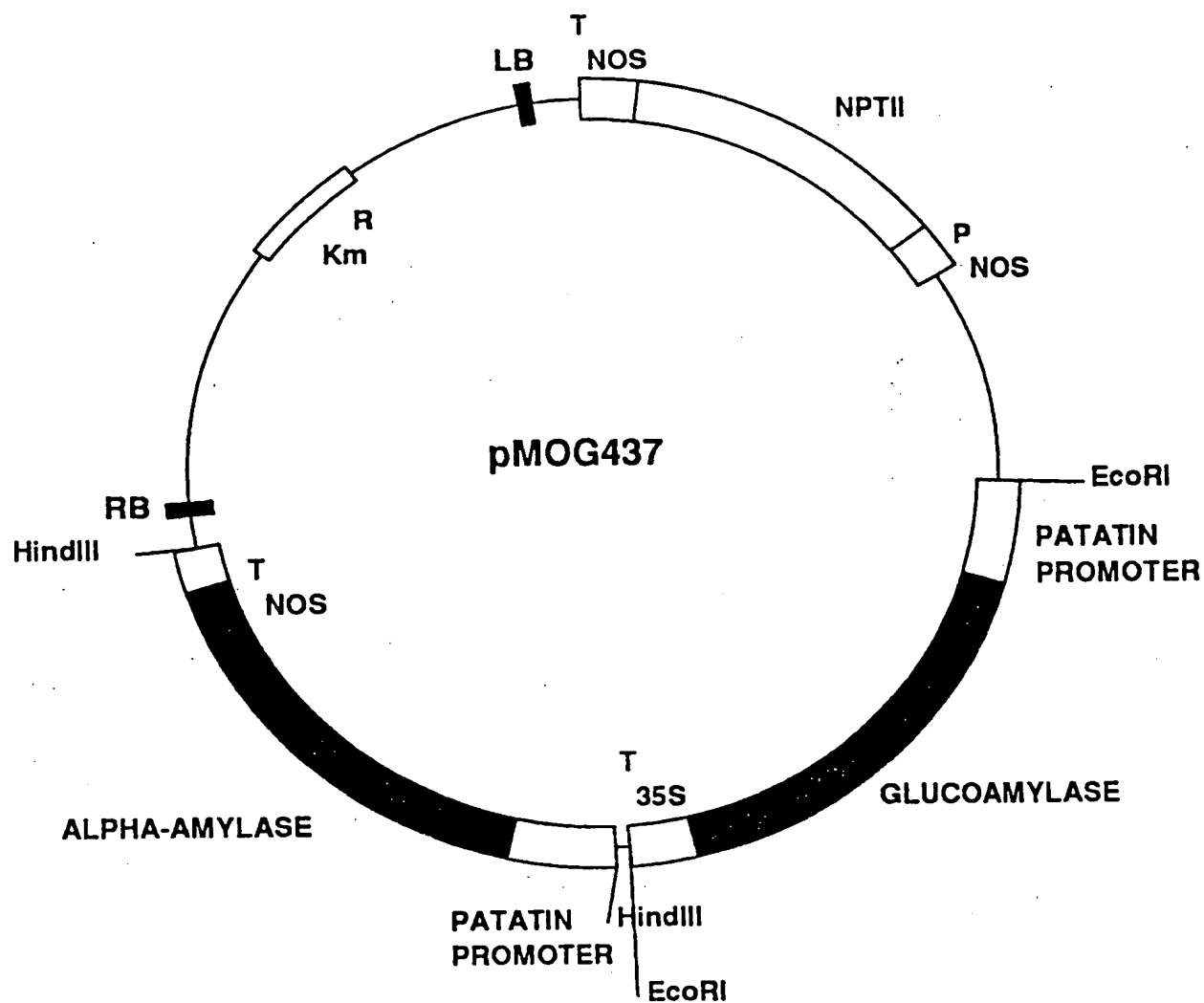


FIGURE 6